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# Joint Program Executive Office for Chemical and Biological Defense



# Joint Project Manager Protection Overview

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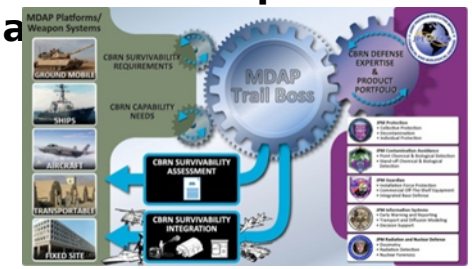
# Joint Project Manager for Protection

## Vision

**To deliver the most effective and affordable materiel solutions in a timely manner today, while preparing for the challenges of tomorrow. To be the Warfighter and First Responder's primary (re)source for percutaneous, respiratory, expeditionary, transportable, shipboard and fixed site individual and collective protection as well as hazard mitigation capabilities.**

## Mission

**To equip and sustain the Joint Force for current and future expeditionary, deliberate, and crisis-response operations with the most capable and cost effective full spectrum chemical, biological, and radiological protection and hazard mitiga**




### Collective Protection

**Provide Warfighters with Mobile, Transportable, Shipboard, and Fixed Site collective protection systems. Includes but not limited to filters, shelters, field hospitals, and kits.**

### Individual Protection

**Provide Warfighters with:**

- **Percutaneous protection (suits, boots, gloves)**
- **Inhalation and ocular protection (respirators) on the ground and in the air, to include rotary and fixed wing variants**

### Hazard Mitigation

**Provide Warfighters with technologies that rapidly reduce contamination hazards and enable reduction of MOPP level while reducing life-cycle costs and logistical burdens. Includes aircraft, advanced threat, point of use, TIC/TIM, wound, and human remains decon.**

### Special Efforts

**Provides expertise:**

- **MDAP Trail Boll**
- **SOCOM PRGM MGMT**
- **USNORTHCOM Homeland Defense Initiatives**

# Portfolio: Programs in Research and Development

Joint Service Aircrew Mask Strategic Aircraft (JSAM SA)

Joint Service Aircrew Mask Tactical Aircraft (JSAM TA)

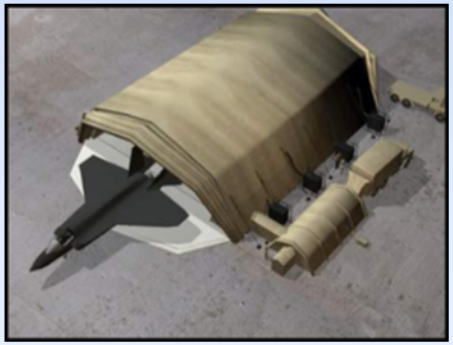
Joint Service Aircrew Mask Joint Strike Fighter (JSAM JSF)

Uniform Integrated Protection Ensemble Increment 2 (UIPE Incr 2)

Contamination Indicator Decontamination Assurance System (CIDAS)

Joint General Purpose Decontaminant for Hardened Military Equipment (JGPD-HME)

Joint Sensitive Equipment Wipe (JSEW)



Joint Biological Aircraft Decontamination System (JBADS)

# Portfolio: Programs in Production

MPU-5
Joint Service Aircrew Mask Rotary Wing (JSAM RW)

M-50/M-51
Joint Service General Purpose Mask (JSGPM)

Tennessee Apparel

Paul Boyé

Uniform Integrated Protection Ensemble Increment 1 (UIPE Incr 1)

Collective Protection System Backfit (CPS-BKFT)

Joint Expeditionary Collective Protection (JECP)

Chemical Biological Protective Shelter (CBPS)

# Portfolio: Programs in Sustainment

Joint Service Lightweight Integrated Suit Technology (JSLIST)

Joint Protective AirCrew Ensemble (JPACE)

All Purpose–Personal Protective Ensemble (AP-PPE)

AFS

AFS-SV

IFS

Alternative Footwear Solution (AFS)
Alternative Footwear Solution SOCOM Variant (AFS-SV)
Integrated Footwear System (IFS)

JSLIST Block 2 Glove Upgrade Non Flame Resistant (JB2GU-nFR)

M-40/M-42 Protective Mask

M45 Aircrew Mask System

M48 Apache Aviator Mask

M46 Joint Service Mask Leakage Tester (JSMLT)

M26 Joint Service Transportable Decontamination System – Small Scale (JSTDS-SS)

Reactive Skin Decontamination Lotion (RSDL)

M295 Individual Equipment Decontamination Kit (M295 IEDK)

Decon Apparatus M12A1 DED

# Science & Technology Needs

| Core Capability Area | Items of Interest |
| --- | --- |
| • Respiratory & Ocular Protection | • Integrated respirators (w/ ballistic protection, communication and optics)<br>• Novel low-burden design<br>• Full spectrum compliant (29CFR1910)<br>• Novel sorbents, barriers & methods for filtration |
| • Percutaneous Protection | • Catalytic sorbents integrated into yarns, fiber-mats and membranes<br>• Barrier materials (NFPA 1991/1994 compliant) with good comfort characteristics (e.g. stretch, drape, hand)<br>• Durable repellent, anti-microbial, self-detoxifying fabric |

The forecast data is for planning purposes, does not represent a pre-solicitation synopsis, does not constitute an invitation for bid or request for proposal, and is not a commitment by the government to purchase the desired products and services

# Science & Technology Needs

| Core Capability Area | Items of Interest |
| --- | --- |
| • Expeditionary Collective Protection | • Broad-spectrum extended life filters<br>• Residual life indicators<br>• Cost-efficient particulate filtration |
| • Equipment Contamination Mitigation | • Coatings for redefined agent resistance specification<br>• Pre and post contamination barriers<br>• Agent disclosure and equipment contamination mapping<br>• Green technologies |
| • Personnel Contamination Mitigation | • Effective low-cost decontaminants for individual equipment and personnel |

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# Science & Technology Business Opportunities

| Solicitation | Key Dates | Targets | More Information |
|---|---|---|---|
| Basic Research BAA: HDTRA1-11-16-BRCWMD-BAA | Open March 2011 – September 2016 | Basic Research: TRL 1 and early TRL2<br><br>Awards grants only | Apply: www.grants.gov<br>Info: dtra.belvoir.J9.mbx.HDTRA1-BRCWMD-A@mail.mil |
| Fundamental Research BAA: HDTRA1-14-24-FRCWMD-BAA | Open March 2015 – September 2024 | Basic and Applied Research: TRL1 through TRL4<br><br>Primarily grants | Apply: www.grants.gov<br>Info: dtra.belvoir.J9.mbx.HDTRA1-HDTRA1-FRCWMD-A@mail.mil |
| Chem-Bio Technologies BAA: HDTRA1-14-CHEM-BIO-BAA | Amendment 3 Open, Phase I Proposal Receipt Deadline November 30, 2015 at 1400 ET | Applied Research & Advanced Tech Development TRL2 through TRL5<br><br>Contracts | Apply: https://www.dtrasubmission.net<br>Info: dtra.belvoir.J9.mbx.CB-FY14-16-BAA@mail.mil |

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# Science & Technology Business Opportunities

| Solicitation | Key Dates | Targets | More Information |
|---|---|---|---|
| R&D Innovation and Systems Engineering Office: HDTRA1-11-16-RDIS-BAA | Closes February 2016 | Applied Research & Advanced Tech Development TRL2 through TRL5<br><br>Contracts | Info: dtra.belvoir.J9.mbx.RDIS-11-16-BAA@mail.mil |
| The Small Business Innovation Research (SBIR) and the Sm Business Technology Transfer (S | CBD SBIR to participate in FY16.1 cycle and CBD STTR in | DTRA and Chem/Bio Defense (CBD) represent two separate | Info and Apply: https://sbir.defensebusiness.org |

**SBIR/STTR Solicitation Schedule – FY16**

| Solicitation | Pre-Release | Open | Close |
|---|---|---|---|
| SBIR 16.1 & STTR 16.A | 11 Dec 15 | 11 Jan 16 | 17 Feb 16 |
| SBIR 16.2 & STTR 16.B | 22 Apr 16 | 23 May 16 | 22 Jun 16 |
| SBIR 16.3 & STTR 16.C | 26 Aug 16 | 26 Sep 16 | 26 Oct 16 |

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# Future New Start Programs

- **FY17: Contaminated Human Remains System**
- **FY18: Next Generation Personnel Decontamination System**
- **FY20**
  - **Joint Service Contamination Mitigation Coatings**
  - **Joint Service Sensitive Equipment System**
  - **Mass Casualty Decontamination System**
  - **Next Generation Mask Leakage Tester**
- **FY21: Next Generation Aviation Protective Ensemble**